



Test Bench® Multimeters

High quality, ruggedized, multi-function DMMs in a drop resistant case. Resistance and frequency measurement. Diode check. Auto power off. All current ranges fused. **Power Requirements:** Single 9V battery **Dimensions:** 7.8 x 3.5 x 1.5"

Accessories Supplied: 9V battery, test leads, instruction manual, rubber boot.

3 Year Warranty

Model 388B:

3-3/4 Digit LCD Display (4000 count). **DC Volts:** 400mV to 1000V **AC Volts:** 400mV to 750V **DC/AC Current:** 400µA to 10A **Resistance:** 400Ω to 40MΩ **Diode Test:** at 1mA, 3.2VDC max. type **Capacitance:** 4nF to 40µF **Frequency:** 4kHz to 4MHz. Logic level measure (TTL) Transistor gain (hFE) and peak hold.



Model 388B

Model 390A:

3-3/4 Digit LCD Display (4000 count). **Analog Bar Graph:** 41 Segments **DC Volts:** 400mV to 1000V **AC Volts:** 400mV to 750V **DC/AC Current:** 400µA to 10A **Resistance:** 400Ω to 40MΩ **Diode Test:** at 1.2mA, 3.0VDC max. type **Capacitance:** 4nF to 40mF **Frequency:** 4kHz to 40MHz **Temperature Range:** -50°C ~ 1300°C (1°C resolution). Auto/manual ranging. Relative mode. Minimum/Maximum hold. Data hold. Memory. RS-232. Audible continuity. Thermocouple Probe included.

Model 389A:

3-3/4 Digit LCD Display (4000 count). **Analog Bar Graph:** 41 Segments **DC Volts:** 400mV to 1000V **AC Volts:** 400mV to 750V **DC/AC Current:** 400µA to 10A **Resistance:** 400Ω to 40MΩ **Diode Test:** at 1.2mA, 3.0VDC max. type **Capacitance:** 4nF to 40mF **Frequency:** 4kHz to 40MHz. Auto/manual ranging. Relative mode. Min/max hold. Data hold. Memory. Audible continuity.

Model 391A:

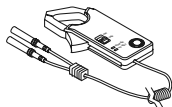
4-1/2 Digit LCD Display (20,000 count). **DC Volts:** 200mV to 1000V **AC Volts:** 200mV to 750V **DC/AC Current:** 400µA to 10A True RMS reading. **Resistance:** 200Ω to 20MΩ **Diode Test:** at 1mA, 3.2VDC max. type **Frequency:** 2kHz to 200kHz **Duty Cycle:** 0 to 90% (0.1% resolution). Data hold. Logic level measure (TTL).

BK388B-ND	.....	\$130.00
BK390A-ND	.....	\$170.00
BK389A-ND	.....	\$150.00
BK391A-ND	.....	\$190.00
LC-29B-ND	Carrying Case (1 Year Warranty).....	\$19.71

Accessories

DC/AC Current Clamp Adapter

Measures current without disconnecting circuit under test. Measures to 400A DC or AC. Outputs 1 mV per Amp., operates on 2V range of any DMM.



Power Requirements: 9V battery
Operating Temp.: 0°C ~ 50°C, <70% RH
Dimensions: 7 x 2.8 x 1.3"

Accessories Included: Battery and instruction manual.

BKCP-3-ND		\$95.67
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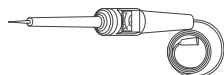
Probes and Test Lead Sets

TP-29-ND	Type K Bead Thermocouple Probe.....	\$10.34
BKTL-4-ND	Universal Test Lead Set.....	\$9.31
TL-2A-ND	Test Lead Set, Fully Shrouded SILIC, IEC61010-2-031, 1,000V CATIII.....	\$22.83
TL-1-ND	Test Lead Set, Fully Shrouded.....	\$9.31
TL-3-ND	Test Lead Accessory Set for BKTL-4 and TL-2A.....	\$17.62

High-Voltage Probes

Model PR-28A:

Accessory for DMM's Multiplies instrument ranges by 1000 (40V becomes 40,000V). PR-28 for use with any high impedance (10MΩ or greater) voltmeter.



Voltage Range: 40kVDC and 20kVAC (60Hz)

Frequency Range: DC-8Hz 20kVAC max. 60Hz

Impedance: 600MΩ accuracy: ±3% plus instrument accuracy

Calibration: Internal; factory calibrated at 25kV

Size: 14" long; 2.25" diameter (max.); 48" cord

Connector: Dual banana

Model HV-44A:

Built in meter for stand-alone operation (No DMM required). Measures voltages up to 40,000VDC. Factory calibrated at 25kV (±2% accuracy); full scale ±3% accuracy. Conventional round needle type tip and flat spring type tip for easy access to CRT anode. **Size:** 16.5 x 2.1 x 2" **Color:** Black and Red

Positive Polarity Only - Not for microwave ovens.

PR-28A-ND	.....	\$66.57
HV-44A-ND	.....	\$113.00

Logic Probes

20MHz and 50MHz Logic Probes



Model DP-21:

(20MHz Logic Probe): Tests TTL, DTL, RTL, HTL, CMOS and MOS. Displays pulse presence and logic states. Memory mode 'freezes' pulse display. Catches pulses to 30ns or pulse trains to 20MHz. 1MΩ input impedance. **Operating Supply Voltage Range:** TTL-5V, CMOS 5-15V **Dimensions:** .7 x .7 x 8.2"

Model DP-52

(50 MHz Logic Probe): Tests TTL and CMOS. Displays DC to 50MHz. Detects 10ns pulse width. Overload protected. 120kΩ input impedance. **Operating Supply Voltage Range:** 4-18VDC **Dimensions:** .7 x .7 x 8.2"

DP-21-ND	.....	\$36.00
BKDP52-ND	.....	\$46.00

Pulser Probe



For TTL and CMOS. Produces 10µs pulse signal at 100mA. External square wave terminal. **Output Current:** Pulser mode-100mA sink/source square wave mode-5mA sink/source. **Operating Supply Voltage Range:** 5-15VDC **Sync Input Impedance:** 1MΩ **Dimensions:** .7 x .7 x 8.2"

DP-31A-ND		\$36.00
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Component Testers

Dual-Display Auto Ranging LCR Meter

Measures inductance, resistance and capacitance. 4 1/2 digit LCD display. Tests at 100Hz, 120Hz, 1kHz or 10kHz (120Hz or 1kHz for 878A only). Relative mode. Tolerance mode. Backlight (879 only).



Accessories Included: 9V battery, user manual and test alligator clips pair.

BK878A-ND	.....	\$249.00
BK879-ND	.....	\$332.22
LC-29B-ND	Carrying Case (1 Year Warranty).....	\$19.71

Bench LCR/ESR Meter with Component Tester

Synthesized In-Circuit LCR/ESR Meter with Component Tester. Used for measuring inductors, capacitors and resistors with DC/AC Voltage measurements and Diode/Audible Continuity checks.



BK889A-ND		\$1204.35
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In-Circuit Testers

Model 885 — LCR/ESR Meter:

Specifications: Measurement parameters: Z, L, C, DCR, ESR, D, Q, and 0 Test conditions: 100Hz, 120Hz, 1kHz, 10kHz, 1vrms, 0.25Vrms, 0.05Vrms **Features:** • 0.5% basic accuracy • Dual LCD display • SMD surface mount tweezer probe included • Fully auto/manual selection • DC resistance measurement • Rechargeable battery/AC powered

BK885-ND	.....	\$565.00
LC-29B-ND	Carrying Case (1 Year Warranty).....	\$19.71

LCR Meter

Model 875B: Measures capacitance (200pF-20mF ±1%), resistance (2-20MΩ ±1%), and inductance (200µH-200mH ±1%). 3-1/2 digit LCD display. Low battery and overload indicator.

Power: Single standard 9V battery

Dimensions: 1.4 x 3.5 x 7.5"

Accessories Included: Test leads, battery, instruction manual.

BK875B-ND	.....	\$195.00
LC-29B-ND	Carrying Case (1 Year Warranty).....	\$19.71



Auto Ranging Capacitance Meter

Model 830B: 4-1/2 digit LCD display. 11,000 counts resolution. Nine automatically selected ranges with full scale value from 1.0pF ~ 199.99mF. **Features:** • USB PC interface and data logging software included • Three year warranty **Specifications:** • Power Source: 9V battery • Dimensions: 7.24 x 3.42 x 1.61"



Model 890B: 4-1/2 LCD with dual display. 11,000 counts resolution. Nine automatically selected ranges with full scale value from 1.0pF ~ 50mF. **Features:** • Program unique values to sort for specific circuit applications • USB PC interface for data logging software available

BK830B-ND NEW!	.....	\$289.00
BK890B-ND NEW!	.....	\$134.00
LC-29B-ND	Carrying Case (1 Year Warranty).....	\$19.71

Capacitance Meter

Model 810C: 3-1/2 digit LCD display. Nine ranges from 200pF to 20mF. Low battery and over-range indicator. **Power Source:** One 9V battery **Dimensions:** 5.7 x 3 x 1.6" **Accessories Included:** Test leads, battery, and manual.

BK810C-ND	.....	\$81.00
LC-29B-ND	Carrying Case (1 Year Warranty).....	\$19.71



IC Testers

Model 570A — Linear IC Tester:

Features:

- Tests all common analog IC's • Auto identification of unmarked/house-coded devices listing possible replacements • Conditional/unconditional loop testing mode • Functional test emulates passive circuitry to implement a comprehensive test in a variety of configurations • Displays diagnostic information down to individual component pins • Rugged, hand-held, ergonomically designed case incorporates built-in membrane keypad, 2 x 16 dot matrix alpha numeric LCD and high quality 16 pin ZIF socket • Auto power off

BK570A-ND		\$1399.00
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Model 575A — Digital IC Tester:

Features:

- 40 pin wide-entry ZIF sockets test a broad range of TTL, CMOS Memory, LSI, Interface and other devices (NAND gates to CPUs) • Identifies unmarked and house-coded devices • Detects intermittent and temperature related faults • Displays diagnostic information for individual pins

BK575A-ND		\$1099.00
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NTSC Generator

Model 1257:

This portable, handheld NTSC Pattern Generator with S-Video, composite video and audio outputs is powered by a 9-volt battery or AC adapter. It provides NTSC color bars, crosshatch, dot, staircase, circle, center cross, windows, and a full range of color raster patterns. The outputs available are composite video and audio via two RCA connectors or an S-Video mini-DIN output. Signals can be produced as an interlaced or progressive scanning mode. No modulated RF signal is provided.

BK1257-ND	NTSC Generator.....	\$205.00
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Network and PC Cable Testers

Model 231A:

Tests 10 BaseT, 100 Base2, RJ45, RJ11, 356A, TIA-568A, TIA-568B, and token ring cables. • Detects open, short, cross, and continuity • Tests Point-to-Point, rather than Pair-to-Pair • Tests cables on wall plate or patch panel up to 1000 ft. away with the remote kit • Easy to read LED display

BK231A-ND	DLX Multi-Network Cable Tester.....	\$80.00
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Deluxe EPROM Eraser

Model 851:

Heavy duty EPROM eraser simultaneously erases up to 40 twenty-four pin EPROMs. Features a 60 minute timer.

BK851-ND		\$161.10
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3 1/2 Digit Hand-Held Parts Tester

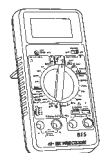
26 user ranges for versatile test selection. Tests capacitance from 0.1pF-20mF. Tests resistance from 0.1Ω-20MΩ. Tests transistors, SCRs, diodes and LEDs. Tests batteries under actual loaded conditions.

Power: One 9V transistor battery

Dimensions: 6.9 x 3.6 x 1.3"

Accessories Included: Test leads, spare fuse, battery, instruction manual.

BK815-ND	.....	\$102.00
LC-29B-ND	Carrying Case (1 Year Warranty).....	\$19.71



All Prices are in US Dollars! Toll-Free: 10800-1527031 (China Telecom - 中国电讯) — 10800-8527031 (CNCG - 中国网通)

digkey.com.cn — Telephone: (852) 3104 0500 — Fax: (852) 3104 0686

(CN081) 2211



Dual Channel, 20MHz Oscilloscope with True RMS Digital Multimeter



Portable Oscilloscope and Dual Input DMM

- Cursor Readout
- Pre-Post Triggering
- Decibel Measurement
- Trend Mode
- Real Time Sample Rate
- Bright LCD Backlight
- Continuous Autoset
- RS232 Option Available

Includes: Two test leads, two banana to BNC adapters, one DC-60MHz X1 X10 passive oscilloscope probe, power supply and user manual.

VERTICAL	
Bandwidth	20MHz with SP60B 10:1 Probe 10MHz with Shielded Test Leads
Sample Rate Real Time:	25 Megasamples per Second to 2MHz
Equivalent Time:	500 Megasamples per Second > 2MHz
Sensitivity	50mV to 200V/div 1,2,5 Sequence
Coupling	AC, DC, GND
Resolution	8 bits
Accuracy	± 3% + 0.05 range/div
HORIZONTAL	
Modes	Single, Normal, Auto
Samples per Division	25
Accuracy Real Time:	± 0.1% + 0.04 time/div
Equivalent Time:	± 0.5% + 0.08 time/div
TRIGGER	
Source	Internal
Modes	Free Run, Normal
Sensitivity Real Time:	2 divisions or more
Equivalent Time:	3 divisions or more
TREND MODE	
Plot Time	30 sec/div to 1 hour/div
Plot Data Type	Maximum/Minimum Selectable
Memory	2 Screens
TRUE RMS DMM	
DCV (CH1, CH2)	400mV, 4, 40, 400, 600V
Basic Accuracy:	± 0.5% + 5 digits
ACV (CH1, CH2)	400mV, 4, 40, 400, 600V
Basic Accuracy:	± 1% + 10 digits
Frequency (CH1, CH2)	1Hz - 20MHz
Basic Accuracy:	± 0.5% + 5 digits
Ohm (CH1 only)	400, 4k, 40k, 400k, 4M, 20M
Basic Accuracy:	± 0.5% + 5 digits
Continuity (CH1 only)	Sounds < 0.1kΩ, ± 2% + 5 digits

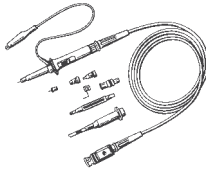
Description	Digi-Key Part No.	Price Each	TPI Part No.
Handheld Oscilloscope 460	290-1460-ND	895.95	460
Carry Case for 460	290-1905-ND	39.95	A905
Software and RS232 Cable for 460	290-1404-ND	69.95	A404

High-Performance Oscilloscope Probes IEC 1010 Category I or Category II Compliance

It is important that you select a probe with the same bandwidth or "frequency range" as the oscilloscope used for the job. For example, if you're using a 100 MHz oscilloscope, choose a probe with a minimum of 100MHz. To achieve optimum performance, choose a probe with more than twice the bandwidth of the oscilloscope.

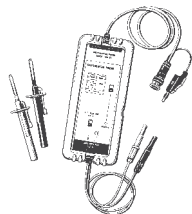
Category I This slim design comes equipped with interchangeable cables, probe tips and grooved heads. Compensation adjustment placed in the BNC eliminates noise and interference related pickup. Available in switchable and non-switchable versions.

Category II This versatile design offers three monolithic interchangeable probes in 60, 100, and 250MHz bandwidth.



Band-width	Attenu-ation	Cable Length Meters	Input Impedance R C	Max Input V DC + Peak AC Range	Rise Time	Compensation	Read-out	Digi-Key Part No.	Price Each	TPI Part No.
Switchable, IEC 1010 Compliant - Category II										
250MHz	x1 x10	1.5	1 Meg 10 Meg	200pF 22pF	600V	1.5ns	10-60pF	NA	290-1057-ND	59.95 IP250
Switchable, IEC 1010 Compliant - Category I										
60MHz	x1 x10	1.2	1 Meg 10 Meg	47pF 18pF	600V	5.8ns	10-35pF	NA	290-1003-ND	34.95 SP60B
100MHz	x1 x10	1.2	1 Meg 10 Meg	47pF 16pF	600V	3.5ns	10-35pF	NA	290-1004-ND	39.95 SP100B
150MHz	x1 x10	1.2	1 Meg 10 Meg	47pF 15pF	600V	2.3ns	10-35pF	NA	290-1005-ND	44.95 SP150B
200MHz	x1 x10	1.2	1 Meg 10 Meg	47pF 15pF	600V	1.8ns	10-35pF	NA	290-1006-ND	49.95 SP200B
250MHz	x1 x10	1.2	1 Meg 10 Meg	47pF 14pF	600V	1.4ns	10-35pF	NA	290-1007-ND	54.95 SP250B
300MHz	x1 x10	1.2	1 Meg 10 Meg	47pF 12pF	600V	1.1ns	10-35pF	NA	290-1008-ND	59.95 SP300B
Non-Switchable, IEC 1010 Compliant - Category I										
15MHz	x1 x10	1.2	1 Meg 10 Meg	47pF 16pF	600V	23ns	—	NA	290-1000-ND	29.95 1P20B
100MHz	x1 x10	1.2	1 Meg 10 Meg	16pF 16pF	600V	3.5ns	10-35pF	NA	290-1001-ND	34.95 P100B
200MHz	x1 x10	1.2	1 Meg 10 Meg	15pF 15pF	600V	1.8ns	10-35pF	NA	290-1050-ND	39.95 P100BR
200MHz	x10	1.2	100 Meg	6.5pF	600V	1.8ns	10-35pF	NA	290-1002-ND	39.95 P200B
250MHz	x100	1.2	100 Meg	6.5pF	1200V	1.4ns	10-35pF	NA	290-1051-ND	44.95 P250
250MHz	x100	1.2	100 Meg	6.5pF	1200V	1.4ns	10-35pF	NA	290-1052-ND	49.95 P250R
250MHz	x10	1.2	10 Meg	14pF	600V	1.4ns	10-35pF	NA	290-1053-ND	44.95 P250B
250MHz	x10	1.2	10 Meg	14pF	600V	1.4ns	10-35pF	NA	290-1054-ND	49.95 P250BR

Differential Probe



This high-voltage differential probe allows conventional grounded oscilloscopes to be used for display and measurement of multiple floating signals with high common mode voltages. IEC 1010 approved for safety.

FUNCTION:	Offset (typical): <±5mV -14°F - 74°F (-10°C - 40°C)
Bandwidth: DC - 25MHz (-3dB)	Common Mode: ± 1,400VDC Inc. Pk AC, or 1,000V RMS
Accuracy: ±2%	Output Source Impedance: 1 @ 1kHz, 8 @ 1MHz
Risetime: 14ns	Operating Temperature: -14°F - 74°F (-10°C - 40°C)
Input Impedance: 4M/10pF each side to ground, 8M/5pF between inputs	Power Requirements: 4 AA cell or 6V main adapters: DC/600mA or DC/800mA
Input Voltage: ±140VDC Inc. Pk AC	Input Leads: 45cm double insulated PVC terminated in 44mm safety plugs
Maximum Differential: 20:1 or 100V RMS, ±1,400VDC Inc. Pk AC, 200:1 or 1,000V RMS	
Output Voltage: ±7 minimum 2K load	
Noise (typical): 1.5/2mV	
290-1076-ND	ADP25 .....\$272.95

4,000 Count True RMS DMM with 1MHz Waveform Capabilities



Versatile 6 Instruments-in-1

Features:

- Autoranging 4,000 Count True RMS DMM
- 1MHz
- Trend Mode
- Component Test
- Logic Test
- Frequency Counter
- T-Base Button
- Continuous Autoset
- RS232 Option Available

Includes: Insulated test leads with alligator clips, power supply, NiCad battery and user manual.

OSCILLOSCOPE	
Bandwidth	1MHz
Sample Rate	20 Megasamples per Second Single Shot
Channels	Single
Glitch Capture	Yes
Trend Mode	Yes
Auto Set	Continuous
Waveform Memory	8 locations
Set-up Memory	8 locations
Viewing Area	160 x 240 pixels
Contrast	Adjustable
DMM	
True RMS	Yes
Basic DC Accuracy	0.3%
DCV / ACV	Up to 1,000 volts
DCA / ACA	Up to 10 amps
Ohms	Up to 40MΩ
Capacitance	Up to 400µF
Frequency	Up to 2MHz

Description	Digi-Key Part No.	Price Each	TPI Part No.
TPI 440 Hand-held Oscilloscope 440	290-1440-ND	299.95	TPI 440
Software for TPI 440	290-1075-ND	59.95	A402
Battery Charger for TPI 440	290-1441-ND	17.52	TPI A401
Carrying Case for TPI 440	290-1900-ND	19.95	TPI A900
Rubber Boot for TPI 440	290-1123-ND	19.95	A403

Digital Multimeters

TPI digital multimeters feature auto ranging, minimum/maximum record function, 4,000-count display, and protective rubber feet. **Includes:** Batteries, Test Leads, Protective Boot, and Instruction Manual with 3-year Limited Warranty

• The 183 offers a triple display with backlight, frequency and capacitance ranges, and RS-232 communication function.

• TPI 190 series digital multimeters feature 50,000-count triple display with analog bar graph and backlight, separate fuse and battery compartment, CAT IV rated test leads with screw on alligator clips, and protective rubber feet.



183

FUNCTION	100	126	153	183	192	194
Display Count	4,000	4,000	4,000	4,000	50,000	50,000
AC Volts	600	600	750	750	750	750
DC Volts	600	600	1,000	1,000	1,000	1,000
Basic DC Accuracy	0.5%	0.3%	0.3%	0.03%	0.05%	0.05%
AC/DC Amps	NA	400mA	10	10	10	10
True RMS	NA	NA	NA	Yes	Yes	Yes
Resistance	10MΩ	40MΩ	40MΩ	40MΩ	50MΩ	50MΩ
Capacitance	NA	NA	NA	10,000µF	100µF	20,000µF
Frequency	NA	NA	NA	200kHz	500kHz	500kHz
Analog Bar Graph	NA	NA	NA	Yes	Yes	Yes
Auto Range	Yes	Yes	Yes	Yes	Yes	Yes
Data Hold	NA	Yes	Yes	Yes	Yes	Yes
Min./Max. Record	NA	Yes	Yes	Yes	Yes	Yes
Sleep Mode	NA	NA	NA	Yes	Yes	Yes
Auto Power Off	Yes	Yes	Yes	NA	Yes	Yes
RS232 (cable and software)	NA	NA	NA	Optional A108	Optional A191	Optional A191
Dimensions - Inch (with boot)	7.4 x 3.4 x 1.3	6 x 3 x 2	7.75 x 3.75 x 2.25	7.75 x 3.75 x 2.25	8.0 x 4.5 x 2.0	8.0 x 4.5 x 2.0

Description	Digi-Key Part No.	Price Each	TPI Part No.
EZ 100, One Button Operation	290-1920-ND	49.95	100
Pocket Auto Range, Compact Size	290-1126-ND	59.95	126
4 Digit, Large Display	290-1153-ND	70.83	153
4 Digit, Triple Display	290-1183-ND	159.95	183
5 Digit, CAT III	290-1423-ND	219.95	192
5 Digit, CAT IV	290-1424-ND	269.95	194

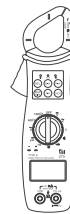
Digital Clamp-On Meter

Measure AC/DC volts, AC amps, DC microamps, resistance, continuity, temperature, capacitance, frequency and diodes.

Features:

- Non-contact voltage detection
- High voltage indication
- Ability to capture in-rush current with peak hold mode

290-1421-ND 270\$119.95



Fiber Optic Inspection Tool

Features: • Machined aluminum housing • Coated flexible 48" fiber optic cable for accessibility to tight areas with bends and curves • Hi-resolution 8,000 pixel image • Super bright LED flashlight light source • Compact aluminum carrying case with locking latches • Removable right angle mirror

Specifications: • .39 inch (1.0mm) shaft diameter • 48 inch (1,220mm) working length

810-ND\$472.11



Pocket Digital Contact Thermometers

Range: -58°F - 300°F or -50°C - 150°C **Resolution:** 0.1°F or 0.1°C **Accuracy:** ±2°F or ±1°C **Sampling Time:** 1.5 seconds **Battery:** 1.5v button **Features:** • Data hold for hard to reach areas • Auto power off

310: • Reversible LCD head • Turns for best viewing • Easy-to-read LCD • 4.9" stem

312: • Water resistant for use in wet environments • Quick response • Easy insertion into "Petes" plugs • 4.9" stem

315: • Rugged design • Water resistant • 3.1mm diameter stem for "Petes" plugs

290-1310-ND	310	\$12.95
290-1312-ND	312	\$15.95
290-1422-ND	315	\$17.95

All Prices are in US Dollars!

Toll-Free: 10800-1527031 (China Telecom - 中国电讯) — 10800-8527031 (CNCG - 中国网通)

2212 (CN081)

digikey.com.cn — Telephone: (852) 3104 0500 — Fax: (852) 3104 0686



Close Focus, Pocket-Size Infrared Thermometer

Features: • Compact—Easily fits in your pocket • Selectable Fahrenheit or Centigrade temperature range: -7°F ~ 248°F (-22°C ~ 120°C) • Auto Data Hold • Min./Max. functions 8 samplings in 0.5 seconds • AUTO sets the 368 into scan mode to continuously scan surface temperatures in real time. Automatically powers off after 60 seconds. **NOTE:** Close focus IR thermometers should be held a distance 0.5" ~ 2" from surface to be measured to obtain an accurate reading (spot size 0.35").

Specifications: • Operating Temperature: 32°F ~ 104°F (0°C ~ 40°C) • Accuracy: 2% of reading or ±3.5°F, whichever is greater

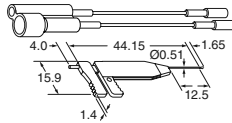
290-1901-ND 368..... **\$24.95**

Nano-Clips and Micro-Clips

NANO-CLIP SPECIFICATIONS: Accessible Lead Pitch: 0.3mm minimum
Clip Retention: 50g minimum **Stroke:** 1.65mm **Operating Force:** 300g maximum **Contact Resistance:** 30MΩ **Conductor Resistance:** 300MΩ

NANO-CLIP FEATURES: • Gold-plated hook and contact • Fluorine coated barrel extension

MICRO-CLIP SPECIFICATIONS: Accessible Lead Pitch: 1.27mm minimum
Clip Retention: 200g minimum **Stroke:** 3.0mm **Operating Force:** 1.0kg maximum **Contact Resistance:** 30MΩ **Conductor Resistance:** 200MΩ



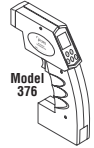
Description	Package Includes	Digi-Key Part No.	Price Each	TPI Part No.
Nano-Clip .3mm				
Black, Red	2 Clips, 2 Lead Sets and Ground Lead	290-1096-ND	47.95	NC2BR
Black, Red	6 Clips, 3 Lead Sets and Ground Lead	290-1097-ND	99.95	NC6BR
Assorted	12 Clips, 6 Lead Sets and Ground Lead	290-1105-ND	175.95	NC12
Black	1 Clip	290-1106-ND	9.95	NC1B
Gray	1 Clip	290-1107-ND	9.95	NC1GY
Red	1 Clip	290-1108-ND	9.95	NC1R
Yellow	1 Clip	290-1109-ND	9.95	NC1Y
Green	1 Clip	290-1110-ND	9.95	NC1G
Blue	1 Clip	290-1111-ND	9.95	NC1BLUE
Micro-Clip 1.27mm				
Black	1 Clip	290-1118-ND	6.38	MC1B
Gray	1 Clip	290-1119-ND	6.38	MC1GY
Red	1 Clip	290-1121-ND	6.38	MC1R
Assorted	6 Clips, 3 Lead Sets and Ground Lead	290-1117-ND	46.95	MC6

IR Non-Contact and Contact Temperature Testers

Take non-contact and contact temperatures with one temperature tester.

Model 376 Features: • Combination non-contact IR and contact (K-Type thermocouple) • Laser pointer • Record function • Display data hold function • Backlight • Trigger switch • 8:1 distance to spot ratio • Selectable °C/°F • Gun-type compact design • Operation lock function • Soft pouch included • Three-year limited warranty **Display Resolution:** 0.1°F and 0.1°C or 1°F and 1°C **Operating Temperature:** 32°F ~ 120°F (0°C ~ 50°C) **K-Type Probe Range:** -40°F ~ 2,192°F (-40°C ~ 1,200°C) **K-Type Probe Accuracy:** ±5% of reading 3°F

Models 381, 383 and 384 Features: • Easy to use single button operation • 0.1/1 degree auto resolution for best reading • Last reading hold • Soft holster pouch included • 9:1 distance to spot ratio (381F: 6:1) • Large, easy to read display • °C and °F selectable



FUNCTION	376	381	383	384
Temperature Range	-58°F ~ 950°F -50°C ~ 510°C	-4°F ~ 572°F -20°C ~ 300°C	-31°F ~ 999°F -35°C ~ 560°C	-31°F ~ 1,832°F -35°C ~ 1,000°C
Laser Sighting	Yes	Yes	Yes	Yes
Accuracy @ 25°C and 0.95 Emissivity	±2% / ±3.5°F	±2% / ±3.5°F	±2% / ±3.5°F	±2% / ±3.5°F
Response Time	500ms	500ms	500ms	500ms
Special Response	7-14um	7-14um	7-14um	8-14um
Emissivity	0.3 ~ 99 adjustable	0.95 fixed	0.95 fixed	0.95 fixed

Description	Digi-Key Part No.	Price Each	TPI Part No.
Combination Non-Contact/Contact Temperature Tester w/Soft Pouch	290-1376-ND	199.95	376
Non-Contact Temperature Tester with Soft Pouch and Laser	290-1427-ND	74.95	381
High-Temperature, IR Gun with Soft Pouch	290-1419-ND	99.95	383
High-Temperature, IR Gun with Soft Pouch	290-1420-ND	129.95	384

K-Type Contact Thermometer

Water-resistant testers accept K-Type thermocouple probes. The 343C2 features dual inputs displays temperature differential, and has minimum/maximum record. Protective boot (A304) included. **Size:** 1.6" x 6" x 3" **Weight:** 278g with boot • Perform ice bath calibration to achieve ±1°F within the 30°F ~ 120°F temperature range. Calibration is an easy two-step process performed through the keypad and does not require the use of tools. **Minimum/Maximum Record:** Yes **Selectable Resistance:** Auto **C/F Selectable:** Yes **T1, T2 ΔT:** Yes **Auto Off:** Yes **Range K-Type:** -58°F ~ 2,462°F (-50°C ~ 1,350°C) **Basic Accuracy:** ±0.3% **Battery:** 9V

290-1416-ND 343C2 Thermometer Kit..... **\$74.95**

Model GK11M: Standard K-Type thermocouple probe • 4 foot fiberglass covered lead • Exposed junction for fast response

290-1911-ND GK11M (K-Type)..... **\$14.95**



Test Leads and Accessories

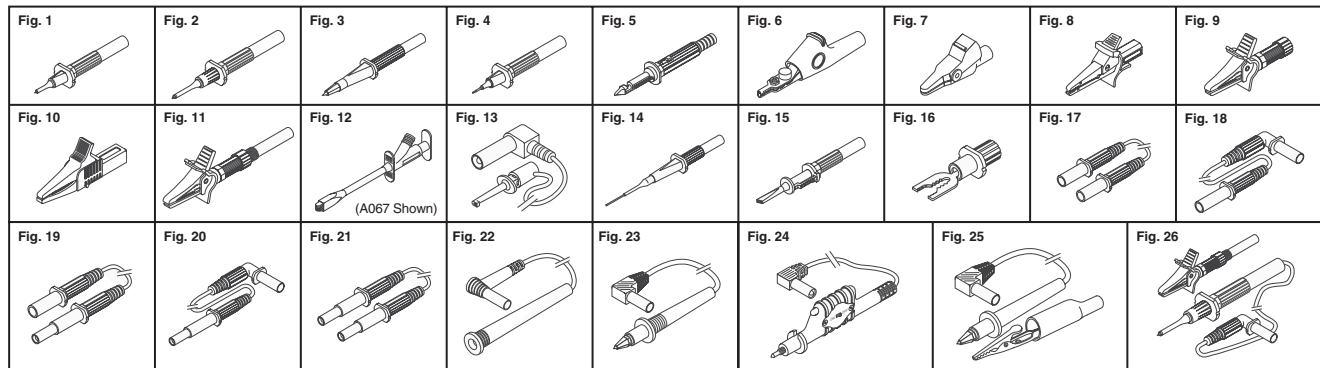


Fig.	Description	Digi-Key Part No.	Price Each	10	TPI Part No.
1	Standard Prod Set	290-1511-ND	9.95	9.14	A037
	Standard Prod, Black	290-1512-ND	4.98	4.57	A037B
	Standard Prod, Red	290-1513-ND	4.98	4.57	A037R
2	Fused Prod Set	290-1508-ND	24.95	22.93	A036
	Fused Prod, Black	290-1509-ND	12.48	11.47	A036B
	Fused Prod, Red	290-1510-ND	12.48	11.47	A036R
3	1,000V, GS38 Compliant Fused Prod Set	290-1558-ND	29.95	27.51	A083
	1,000V, GS38 Compliant Fused Prod, Black	290-1559-ND	14.98	13.76	A083B
	1,000V, GS38 Compliant Fused Prod, Red	290-1560-ND	14.98	13.76	A083R
4	OEM Style Prod Set	290-1520-ND	8.95	8.23	A054
	OEM Style Prod, Black	290-1521-ND	4.48	4.12	A054B
	OEM Style Prod, Red	290-1522-ND	4.48	4.12	A054R
5	Thin Stainless Steel Tip Prod Set	290-1523-ND	12.95	11.90	A055
	Thin Stainless Steel Tip Prod, Black	290-1524-ND	6.48	5.95	A055B
	Thin Stainless Steel Tip Prod, Red	290-1525-ND	6.48	5.95	A055R
6	Insulation Piercing Prod Set	290-1532-ND	15.95	14.65	A059
	Insulation Piercing Prod, Black	290-1533-ND	7.98	7.34	A059B
	Insulation Piercing Prod, Red	290-1534-ND	7.98	7.34	A059R
7	Test Clip Piercing, Straight Tip, Red Boot	290-1184-ND	8.89	7.51	A032R
	Test Clip Piercing, Straight Tip, Black Boot	290-1185-ND	8.89	7.51	A032B
	Test Clip Piercing, Straight Tip, Blue Boot	290-1186-ND	8.89	7.51	A032BL
8	Test Clip Piercing, Bent Tip, Red Boot	290-1187-ND	8.89	7.51	A033R
	Test Clip Piercing, Bent Tip, Black Boot	290-1188-ND	8.89	7.51	A033B
	Test Clip Piercing, Bent Tip, Blue Boot	290-1189-ND	8.89	7.51	A033BL
9	Small Alligator Clip Set	290-1505-ND	6.95	6.39	A034
	Small Alligator Clip, Black	290-1506-ND	3.48	3.21	A034B
	Small Alligator Clip, Red	290-1507-ND	3.48	3.21	A034R
10	1,000V Crocodile Clip Set	290-1535-ND	14.95	13.74	A066
	1,000V Crocodile Clip, Black	290-1536-ND	7.48	6.88	A066B
	1,000V Crocodile Clip, Red	290-1537-ND	7.48	6.88	A066R
11	Fused Fully Insulated Crocodile Clip Set	290-1529-ND	7.95	7.30	A058
	Fused Fully Insulated Crocodile Clip, Black	290-1530-ND	3.98	3.66	A058B
	Fused Fully Insulated Crocodile Clip, Red	290-1531-ND	3.98	3.66	A058R
12	Cat III, 600V Crocodile Clip Set	290-1541-ND	14.92	13.74	A068
	Cat III, 600V Crocodile Clip, Black	290-1542-ND	7.47	6.88	A068B
	Cat III, 600V Crocodile Clip, Red	290-1543-ND	7.47	6.88	A068R

Fig.	Description	Digi-Key Part No.	Price Each	10	TPI Part No.
11	Fused Flanged Crocodile Clip Set	290-1555-ND	33.95	31.19	A084
	Fused Flanged Crocodile Clip, Black	290-1556-ND	16.98	15.60	A084B
	Fused Flanged Crocodile Clip, Red	290-1557-ND	16.98	15.60	A084R
12	Grabber Clip Set	290-1538-ND	22.95	21.09	A067
	Grabber Clip, Black	290-1539-ND	11.48	10.56	A067B
	Grabber Clip, Red	290-1540-ND	11.48	10.56	A067R
13	Plunger Clip Set	290-1544-ND	22.90	21.09	A069
	Plunger Clip, Black	290-1545-ND	11.46	10.56	A069B
	Plunger Clip, Red	290-1546-ND	11.46	10.56	A069R
14	Probe Tip Red 5 Mini Clip With 9" Pigtail	290-1065-ND	6.73	5.69	SMD1R
	Probe Tip Black 5 Mini Clip With 9" Pigtail	290-1066-ND	6.73	5.69	SMD1B
	Needle Back Probe Set	290-1526-ND	9.95	9.14	A057
15	Needle Back Probe, Black	290-1527-ND	4.98	4.57	A057B
	Needle Back Probe, Red	290-1528-ND	4.98	4.57	A057R
16	Sprung Hook Set	290-1514-ND	10.95	10.07	A038
	Sprung Hook, Black	290-1515-ND	5.48	5.04	A038B
	Sprung Hook, Red	290-1516-ND	5.48	5.04	A038R
17	Spade Terminal Set	290-1517-ND	2.95	2.72	A039
	Spade Terminal, Black	290-1518-ND	1.48	1.37	A039B
	Spade Terminal, Red	290-1519-ND	1.48	1.37	A039R
18	Fixed Shroud to Fixed Shroud	290-1500-ND	15.95	14.65	A079
	90° Fixed Shroud to Fixed Shroud	290-1502-ND	15.95	14.65	A082
	Fixed Shroud to Shutter Plug	290-1504-ND	16.95	15.58	A087
19	90° Fixed Shroud to Shutter Plug	290-1501-ND	15.95	14.65	A081
	Shutter Plug to Shutter Plug	290-1503-ND	19.95	18.33	A086
20	Test Lead Set for A083, A084	290-1552-ND	14.95	13.74	A088
	Test Lead for A083, A084, Black	290-1553-ND	7.48	6.88	A088B
	Test Lead for A083, A084, Red	290-1554-ND	7.48	6.88	A088R
21	Test Lead Set Standard 46"	290-1059-ND	8.75	7.40	SSL2
	UL Test Lead Set	290-1547-ND	9.95	9.14	A070
	Lighted Test Lead Set	290-1549-ND	49.95	45.89	A035
22	UL Test Lead Set with Alligator Clip	290-1548-ND	17.95	16.49	A085
	Fused Test Lead Set	290-1550-ND	24.95	22.93	A041
	Fused Test Lead Kit	290-1551-ND	69.95	64.26	A089
23	Kit Test Lead Set 7 Pair	290-1058-ND	29.95	—	SDK1

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All Prices are in US Dollars! Toll-Free: 10800-1527031 (China Telecom - 中国电讯) — 10800-8527031 (CNCG - 中国网通)

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